Advanced GeoEnvironmental, Inc.



29 April 2005 AGE-SR Project No. 98-0400

Mr. Cliff Ives Sonoma County Department of Health Services Environmental Health Division 475 Aviation Boulevard, Suite 220 Santa Rosa, CA 95403

Subject: Monitoring Well Destruction and Disposition of Soil and Ground Water

Former DICK'S UNION 76

465 South Cloverdale Boulevard, Cloverdale, California

Dear Mr. Ives:

This letter has been prepared to document the destruction of five ground water monitoring wells located at the above-referenced site (Figure 1). In addition, this letter presents the amount and disposition of well purge water generated during site investigation activities and soil cutting generated during well destruction activities. The destruction of the wells and documentation of the disposal of purge water was required by the Sonoma County Department of Health Services - Environmental Health Division (SCDHS-EHD), by letter dated 09 September 2004, as a final pre-requisite to site closure. Well destruction activities were conducted in accordance with the Advanced GeoEnvironmental (AGE)-prepared *Monitoring Well Destruction Work Plan*, dated 18 November 2004.

In accordance with the California Health and Safety Code; Section 25297.15(a) of Chapter 6.7; a complete signed list of the current record fee title owners for the subject property is attached.

MONITORING WELL DESTRUCTION ACTIVITIES

On 21 and 22 February 2005, AGE personnel supervised the destruction of site related ground water monitoring wells MW-1 through MW-5 (Figure 2). Prior to initiation of field work, a well destruction permit (#4588) was obtained from the SCDHS-EHD. In addition, an Encroachment Permit (#01-2005) was obtained from the City of Cloverdale Engineering Department. Prior to mobilization, the monitoring well locations were clearly marked and a utility clearance obtained through Underground Service Alert.

The monitoring wells were abandoned by Mitchell Drilling Environmental (MDE) of Eureka, California. Monitoring wells MW-1, MW-2, MW-3, and MW-4 were destroyed by over-drilling techniques, removing the well construction materials from the original boreholes utilizing a CME-75 drill rig equipt with eight-inch hollow stem augers. Monitoring wells MW-1 through MW-4 were each over-drilled to the total depth of the original borings {approximately 26 feet below surface grade (bsg)}. Subsequently, boreholes MW-1 through MW-4 were each abandoned with approximately 65-gallons of portland neat cement slurry installed through tremmie pipe from the total depth of the borings to ground surface. After allowing the grout mixture to settle in each of the boreholes, the remaining three to four inches of space was capped with a layer of concrete and completed flush to surface grade.

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Due to limited access to well MW-5 was backfilled and abandoned-in-place by pressure grouting methods, as approved and witnessed by SCDHS-EHD personnel. The grout mixture consisted of Type I/II portland neat cement and approximately 6 gallons of water per 94-pound sack of cement. The grout mixture was installed in well MW-5 through tremmie pipe from the total depth of the well to the top of casing. Following installation of the grout mixture, 30 pounds per square inch (PSI) of pressure was applied to the well head for approximately two minutes to distribute the grout throughout the screen interval and filter pack. Approximately 5-gallons of grout was pumped into well MW-5.

WASTE DISPOSAL

Purge water generated during the ground water monitoring program was temporally stored on-site in appropriately labeled 55-gallon drums pending appropriate disposal. In July 2003, four 55-gallon drums (Approximately 220-gallons) of purge water were removed from the site by ABCO Environmental of Rancho Cordova, California. The drums were transported under Non-Hazardous Waste manifest for disposal at the Invirotech recycling facility in Rialto, California. In April 2005, four 55-gallon drums (Approximately 220-gallons) of purge water and decontamination rinse water were removed from the site by Slaby Environmental, Inc. of Borrego Springs, California. The drums were transported under Non-Hazardous Waste manifest for disposal at the Remedy Environmental recycling facility in Anaheim, California. Copies of the Non-Hazardous Waste manifest are attached.

Soil cutting generated during well destruction activities was temporally stored on-site in appropriately labeled 55-gallon drums pending appropriate disposal. In April 2005, four 55-gallon drums (Approximately 485-pounds) of soil cutting were removed from the site by Slaby Environmental, Inc. of Borrego Springs, California. The drums were transported under Non-Hazardous Waste manifest for disposal at the Western Environmental facility in Mecca, California. A copy of the Non-Hazardous Waste manifest is attached.

If you have any questions or comments, please contact our office at (707) 570-1418.

Sincerely,

Advanced GeoEnvironmental, Inc.

Jeremiah J. Huget

Staff Environmental Specialist

William R. Little Senior Project Geologist

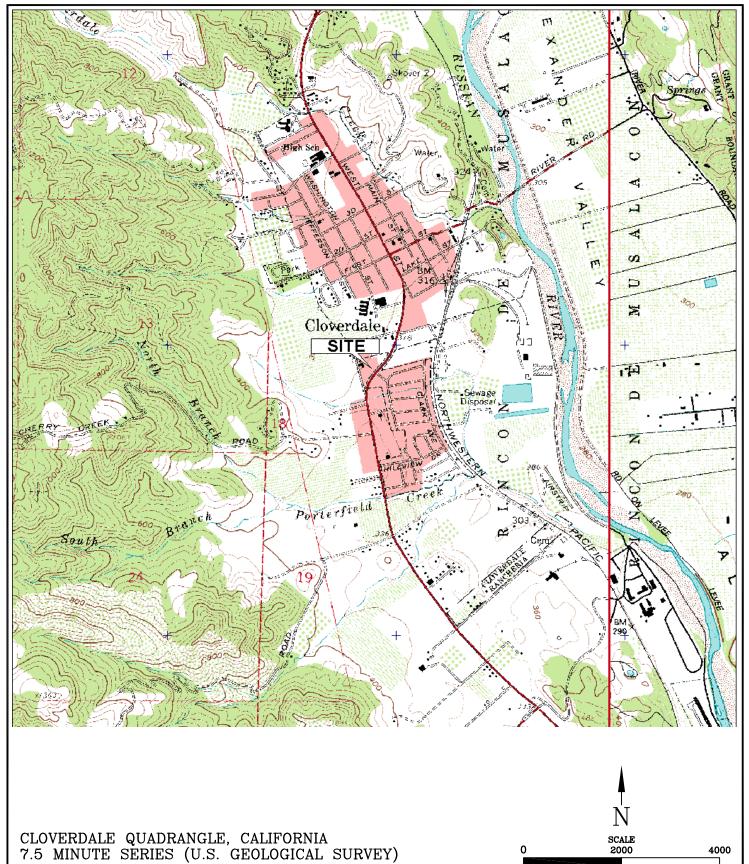
California Professional Geologist No.

No. 7473

Attachments:

Figures 1& 2; Non-Hazardous Waste Manifests; Signed Certified List of Record Fee Title Owners

cc: Mr. Richard Erickson

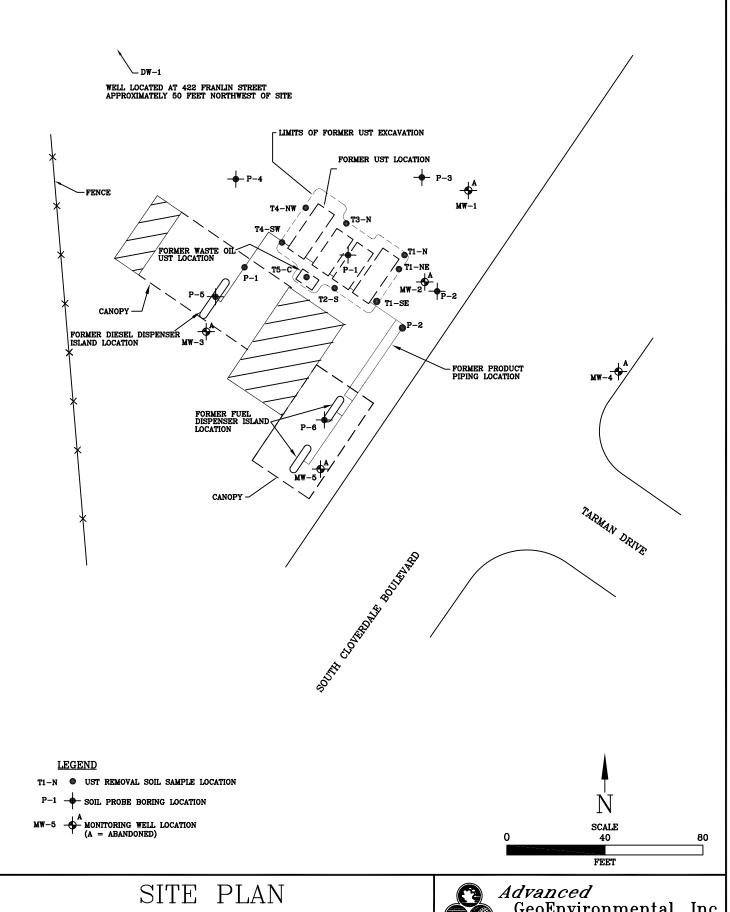


LOCATION MAP

FORMER DICK'S UNION 76 465 SOUTH CLOVERDALE BOULEVARD CLOVERDALE, CALIFORNIA



PROJECT NO. AGE-SR-98-0400	FILE: LOCATION	FIGURE:
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DICK'S UNION 76 465 SOUTH CLOVERDALE BOULEVARD CLOVERDALE, CALIFORNIA



GeoEnvironmental, Inc.

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County Of Sonoma Department Of Health Services Environmental Health Division LOCAL OVERSIGHT PROGRAM

3273 Alrway Drive, Suite D 🍪 Santa Rosa, CA 95403-2097 (707) 565-6565 💠 FAX (707) 565-6525 💠 www.sonoma-county.org

CERTIFIED LIST OF RECORD FEE TITLE OWNERS FORM

Site Name: Former Dick's Union 76
Site Address: 465 South Cloverdale Blue, Cloverdale, CA
In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, I,
record fee title owners and their mailing addresses for the above site.
Mr Pichard Englishin - Property Acher
Mr. Richard Erickson - Property owner
Cloverdale (A 95425
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(Signature, Name and Title, and Address of Responsible Party)
Submit to: Local Oversight Program, Sonoma County Environmental Health Division 3273 Airway Drive, Suite D, Santa Rosa, CA, 95403